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NEW SPEED RECORD FOR REINFORCED CONCRETE

And some other recent remarkable performances of

LUMNITE



28 day concrete in 24 hours

*With **LUMNITE** a complete reinforced concrete eighth story is added in four days*

FIGHTING against time to build an additional story to a seven-floor ramp garage in four and one-half days, the Seattle organization of Grant Smith & Co., established a speed record for reinforced concrete work.

To match the rest of the building, the additional story was to be reinforced concrete faced with brick. Steel beams supporting the old roof must be replaced with heavier steel to support a reconstructed roof. Twenty large concrete pillars were to be reinforced. Seven hundred and fifty barrels of quick-hardening cement were used.

With no preliminary discussion, the contract was awarded at 10 a. m., Saturday, June 20th. Construction actually was under way two hours later. The biggest problem was the scarcity of Lumnite Cement. The Crowe-Matthews Company, local distributors, stripped their warehouse, getting a total of 100 barrels. Five hundred barrels were borrowed from Henry & McFee, at Bremerton. This was delivered Sunday after-

noon and Sunday night, just in time to meet the demands of the concrete mixers.

Lumnite Cement, which sets at full strength within 24 hours after pouring, was the only cement that could be used on a rush order of this kind. None was in stock and none available.

Tuesday, the last bags were being used. It looked like a shut-down. Then the S. S. Iowan docked in Seattle. In a bottom hold was a quantity of Lumnite. The skipper was prevailed upon to open his hatches, dig through his cargo and unload 150 barrels. Trucks again backed into the garage with cement just at the crucial moment.

From the start, work progressed rapidly. On Sunday, the 20 pillars had been reinforced and construction of the roof was well under way. Monday, the 20-foot concrete walls were being built, and Tuesday, floor slabs were being completed. Wednesday afternoon, the stripping process was well under way, and Wednesday night, the fourth day after work started, the automobiles of delegates to the Foreign Trade Council were safely stowed away in the new eighth floor.

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LUMNITE *enabled South California Edison Co. to put unit of power plant in service two weeks earlier*

ENGINEERS on construction work at No. 1 Power House of the South California Edison Co. were anxious to put a Penstock Anchor into use as soon as possible after it was poured. Knowing that ordinary Portland Cement would take well over two weeks to harden, they decided to use Lumnite.

The Anchor was poured on Friday afternoon, June 26th, and water turned into the pipe line Sunday morning, June 28th. The concrete mix was 1:2:4. The part of the Anchor in which Lumnite was used was approximately 14 feet wide, 7 feet along the pipe, and 8 feet deep. Approximately 170 bags of Lumnite were used.

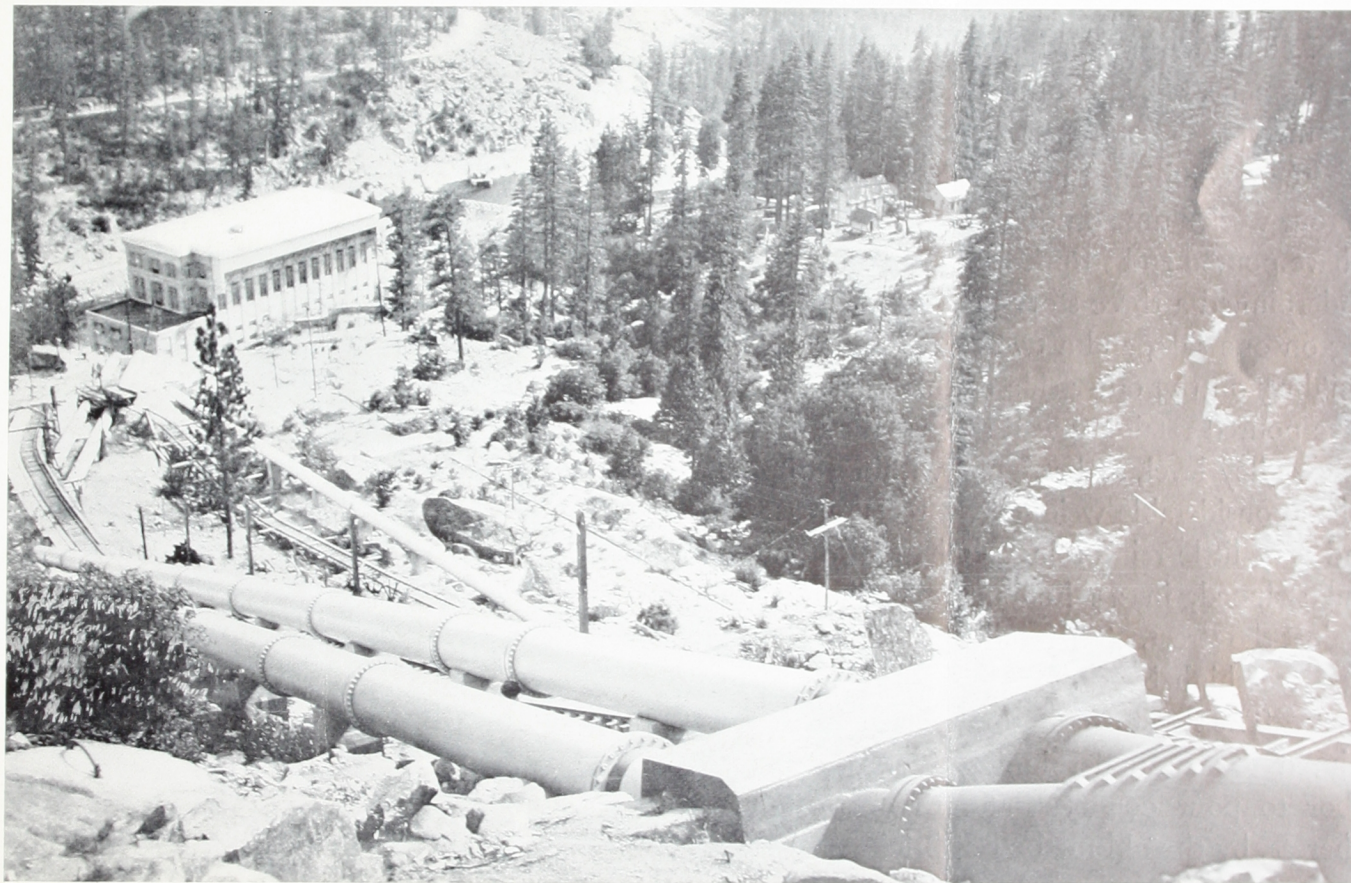
The lower part of the Anchor was poured earlier with Portland Cement.

This power house has a head of 2130 feet—and the Anchor was under a head of 1700 feet. The diameter of the single pipe above the Penstock Anchor was 45 inches. The diameter of each of the two pipes below it was 34 inches.

They were able to put the unit of the plant which this Penstock served into operation at least two weeks earlier than would have been possible had they used any other cement. The engineers were well satisfied with results obtained with Lumnite and have used it since in other work.

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"When time is important, Lumnite will do more to save time than any other material I have ever used"—V. L. Nicholson

IN a letter to us, referring to his use of Lumnite Cement, Mr. Nicholson makes the following statements:

"I am confident Lumnite has saved me three to four weeks' time on this job. Time after time I have poured and stripped in 24 hours. I have underpinned a three-story-and-basement building on one side, and a two-story-and-basement building on the other side of this job. Also, I have poured retaining wall against alley 26 feet below alley level, and stripped within 48 hours. I had considerable weight here to take care of, and very little reinforcing. I have also poured and stripped, in 24 hours, the retaining wall against the street. This wall is without pilasters, 13½ feet high by 71 feet long, and 16 inches thick. The street cars and traffic have in no way injured it. In underpinning I used common labor to pour concrete, and to do wedging; whereas, by the old method of brick and wedg-

ing, I would have used high-priced men, and it would have taken me four times as long.

"I have poured, today, 280 feet of 4-inch wall, three feet high, for pipe tunnels, and expect to strip same tomorrow afternoon and place slab over. Where speed is required I recommend that Contractors investigate Lumnite.

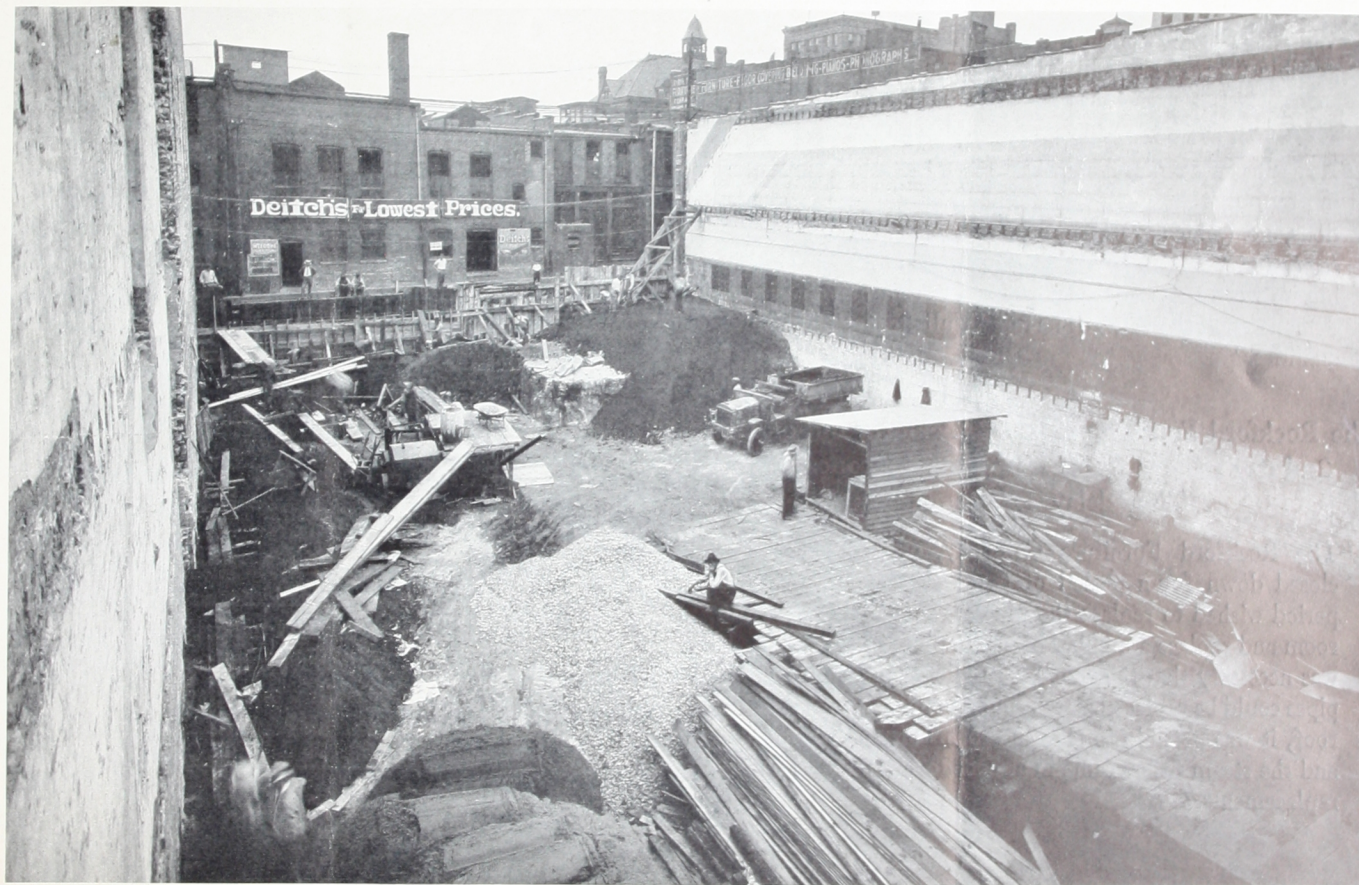
"Sometime ago, the J. Allen Smith Milling Co., of this city, needed a machinery foundation immediately. The best proposition that they got from any Contractor here was to cut out and put in new foundation ready for machinery in four weeks. *I made them this foundation complete in six days*, and the machinery has been running on same about five weeks, and no deterioration or flaw has been found. This foundation required about fifteen yards of concrete.

"When time is important, Lumnite Cement will do more to save time than any material that I have ever used."

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"I am confident Lumnite has saved me 3 to 4 weeks time on this job"

S. H. Kress & Co.'s building, Knoxville, Tenn.



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With Lumnite, Dells Paper & Pulp Company of Eau Claire, Wisconsin, make important plant alterations Saturday—have plant in full service Monday

MR. W. L. DAVIS, JR., *General Superintendent, writes:*

"With reference to your recent kind favor on subject of possible uses of Lumnite in and around a paper mill, we are pleased to advise that we have been using this product for nearly a year now and keep a stock on hand at all times.

"Its use has proven particularly advantageous to us in changing over machines or parts thereof requiring new foundations, etc. (which *must necessarily be done over Sunday and ready for operation on Monday morning.*) Again in patching up worn spots in concrete floors, pavements, etc., it has demonstrated the value of its rapid, full-strength hardening qualities."

The Rockford Furniture Co., of Rockford, Ill., on the 2nd day remove forms from Lumnite concrete, avoiding delay to steamfitters

"The Rockford Furniture Company, of Rockford, Ill., closed down for a period of two weeks and during this period wished to replace the concrete roof of their drykiln room and replace a number of steam pipes in the room. It was necessary that the roof be completed before the steam pipes could be replaced. By using Lumnite concrete for the roof, it was possible to take the forms off the second day, and the steam fitters came in at once to make the necessary replacements."

Princeton, Indiana, with Lumnite lays road slab on Dixie Bee Highway June 5th—puts it in service June 6th

EDWIN E. WATTS, *Civil Engineer, wrote:*

"This Atlas Lumnite Cement was used to revise the grade of South Main Street, Princeton, at the junction with the State Highway forming part of the Dixie Bee Highway—Chicago to Evansville Road—and was mixed in the concrete forming the slab of the roadway on the morning of June 5th, and the slab was completed at 4 p. m. of that day. At 6 p. m. of Saturday, June 6th, the street was opened for unrestricted use over the Lumnite concrete laid the previous day and has been used continuously since under unusually heavy traffic without any evidence of failure. I consider that it has proved satisfactory for the purpose used."

Sherrett and Parker, of Wewoka, Okla., with Lumnite avoid plant "shut down" for repairs

A 40-inch concrete beam, 34 feet long, was poured Tuesday at 5 p. m., and forms removed the next morning. The contractor, Theis & Sherrett, had to have this beam in work within 24 hours or it would have been necessary to close the plant. As it was, brick work was started as soon as forms were removed, as the set-up was splendid. Both contractors and owners expressed themselves as very pleased with the results they obtained.

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